FIGURE 1

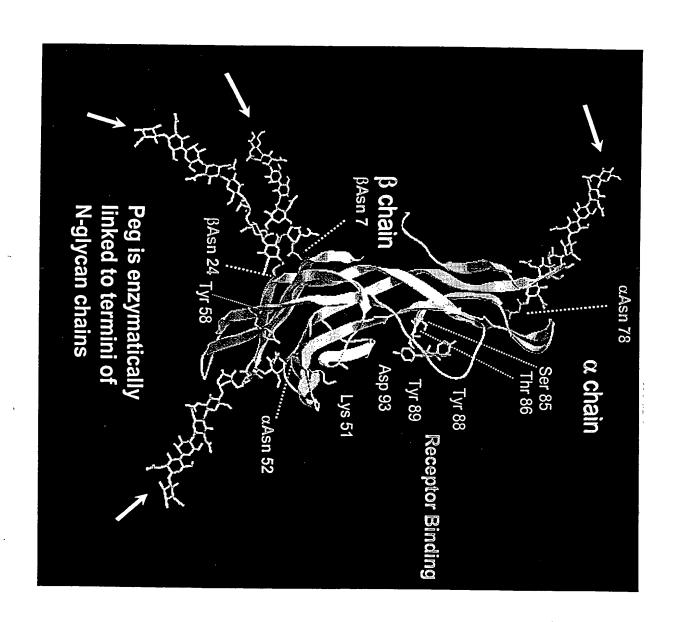


FIGURE 2

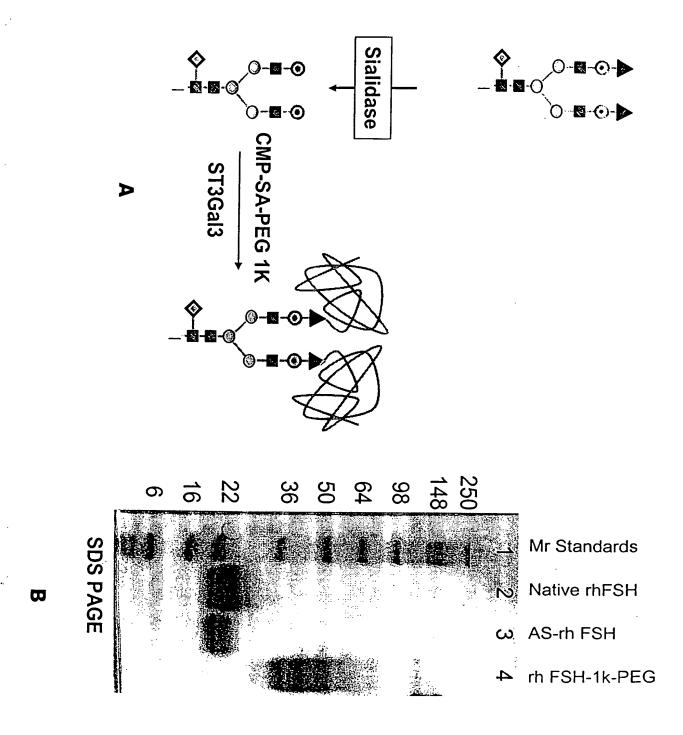
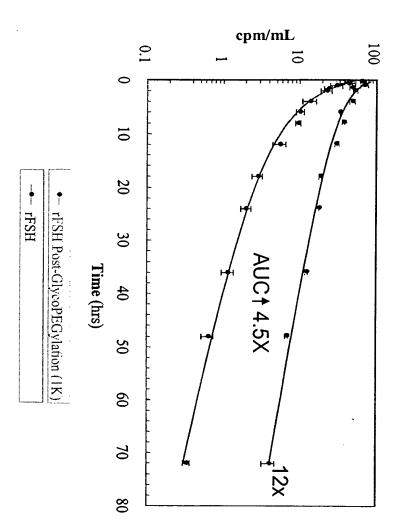
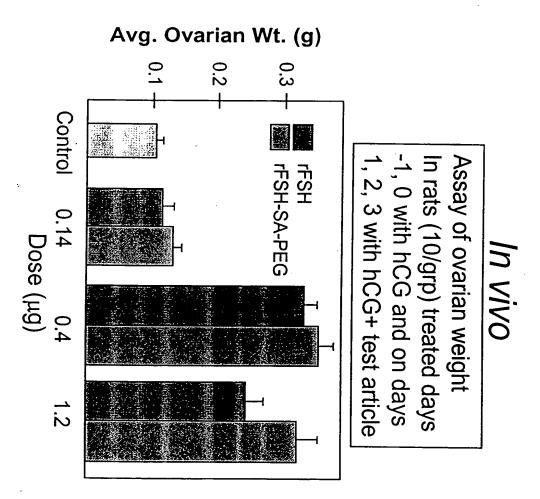


FIGURE 3



Rat i.v. bolus injection PK model

FIGURE 4



APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNVTSE STCCVAKSYNRVTVMGGFKVENHTACHCSTCYYHKSNSCELTNITIAIEKEECRFCISI NTTWCAGYCYTRDLVYKDPARPKIQKTCTFKELVYETVRVPGCAHHADSLYTYPVAT QCHCGKCDSDSTDCTVRGLGPSYCSFGEMKE

FIGURE 9A

Protein	Organism	EC#	GenBank	c / GenPept	SwissProt	PDB / 3D
At1g08280		n.d.	BT004583	AAF18241.1 AAO42829.1 NP_172305.1	Q84W00 Q9SGD2	
At1g08660/F22O13.14	,	n.d.	AY064135 AY124807 NC_003070	AAF99778.1 AAL36042.1 AAM70516.1 NP_172342.1 NP_850940.1	Q8VZJ0 Q9FRR9	Ü
At3g48820/T21J18_90	Arabidopsis thaliana	n.d.	AY133816 AL132963		Q8RY00 Q9M301	
α-2,3-sialyltransferase (ST3GAL-IV)	Bos taurus	n.d.	AJ584673	CAE48298.1		
α-2,3-sialyltransferase (St3Gal-V)	Bos taurus	n.d.	AJ585768	CAE51392.1		
α-2,6-sialyltransferase (Siat7b)	Bos taurus	n.d.	AJ620651	CAF05850.1		
α-2,8-sialyltransferase (SIAT8A)	Bos taurus		AJ699418	CAG27880.1		
α-2,8-sialyltransferase (Siat8D)	Bos taurus	n.d.	AJ699421	CAG27883.1		
α-2,8-sialyltransferase ST8Siα-III (Siat8C)	Bos taurus	n.d.	AJ704563	CAG28696.1		
CMP α-2,6- sialyltransferase (ST6Gal I)	Bos taurus	2.4.99.1	Y15111 NM_177517	CAA75385.1 NP_803483.1	O18974	
sialyltransferase 8 (fragment)	Bos taurus	n.d.	AF450088	AAL47018.1	Q8WN13	
sialyltransferase ST3Gal-II (Siat4B)	Bos taurus	n.d.	AJ748841	CAG44450.1		
sialyltransferase ST3Gal-III (Siat6)	Bos taurus	n.d.	AJ748842	CAG44451.1		
sialyltransferase ST3Gal-VI (Siat10)	Bos taurus	n.d.	AJ748843	CAG44452.1		
ST3Gal I	Bos taurus	n.d.	AJ305086	CAC24698.1	Q9BEG4	
St6GalNAc-VI	Bos taurus	n.d.	AJ620949	CAF06586.1		
CDS4	Branchiostoma floridae	n.d.	AF391289	AAM18873.1	Q8T771	
polysialyltransferase (PST) (fragment) ST8Sia IV	Cercopithecus aethiops	2.4.99	AF210729	AAF17105.1	Q9TT09	
polysialyltransferase (STX) (fragment) ST8Sia II	Cercopithecus aethiops	2.4.99	AF210318	AAF17104.1	Q9TT10	
α-2,3-sialyltransferase ST3Gal I (Siat4)	Ciona intestinalis	n.d.	AJ626815	CAF25173.1		
α-2,3-sialyltransferase ST3Gal I (Siat4)	Ciona savignyi	n.d.	AJ626814	CAF25172.1		
α-2,8- polysialyltransferase ST8Sia IV	Cricetulus griseus	2.4.99	- Z46801	AAE28634 CAA86822.1	Q64690	
Gal ^β -1,3/4-GlcNAc α- 2,3-sialyltransferase St3Gal I	Cricetulus griseus	n.d.	AY266675	AAP22942.1	Q80WL0	-
Gal ^β -1,3/4-GlcNAc α- 2,3-sialyltransferase St3Gal II (fragment)	Cricetulus griseus	n.d.	AY266676	AAP22943.1	Q80WK9	
α-2,3-sialyltransferase ST3Gal I (Siat4)	Danio rerio	n.d.		CAH04017.1		
α-2,3-sialyltransferase ST3Gal II (Siat5)	Danio rerio	n.d.	AJ783741	CAH04018.1		

FIGURE 9B

Protein	Organism	EC#	GenBank	(/ GenPept	SwissProt	PDB / 3D
α-2,3-sialyltransferase ST3Gal III (Siat6)	Danio rerio	n.d.	AJ626821	CAF25179.1		
α-2,3-sialyltransferase ST3Gal IV (Siat4c)	Danio rerio	n.d.	AJ744809	CAG32845.1		
α-2,3-sialyltransferase ST3Gal V-r (Siat5- related)	Danio rerio	n.d.	AJ783742	CAH04019.1		
α-2,6-sialyltransferase ST6Gal I (Siat1)	Danio rerio	n.d.	AJ744801	CAG32837.1		
α-2,6-sialyltransferase ST6GalNAc II (Siat7B)	Danio rerio	n.d.	AJ634459	CAG25680.1		
α-2,6-sialyltransferase ST6GalNAc V (Siat7E) (fragment)	Danio rerio	n.d.	AJ646874	CAG26703.1		
α-2,6-sialyltransferase ST6GalNAc VI (Siat7F) (fragment)	Danio rerio	n.d.	AJ646883	CAG26712.1		
	Danio rerio	n.d.	AJ715535	CAG29374.1		-
α-2,8-sialyltransferase ST8Sia III (Siat 8C) (fragment)	Danio rerio	n.d.	AJ715543	CAG29382.1		
α-2,8-sialyltransferase ST8Sia IV (Siat 8D) (fragment)	Danio rerio	n.d.	AJ715545	CAG29384.1		
α-2,8-sialyltransferase ST8Sia V (Siat 8E) (fragment)	Danio rerio	n.d.	AJ715546	CAG29385.1		
α-2,8-sialyltransferase ST8Sia VI (Siat 8F) (fragment)	Danio rerio	n.d.	AJ715551	CAG29390.1		
galactosamide α-2,6- sialyltransferase II (ST6Gal II)	Danio rerio	n.d.	AJ627627	CAF29495.1		
N-glycan α-2,8- sialyltransferase	Danio rerio	n.d.	AY055462		Q7ZU51 Q8QH83	
ST3Gal III-related (siat6r)	Danio rerio	n.d.	BC053179 AJ626820		Q7T3B9	
St3Gal-V	Danio rerio	n.d.	AJ619960	CAF04061.1		
st6GaINAc-VI	Danio rerio	n.d.	BC060932 AJ620947	AAH60932.1 CAF06584.1		
α-2,6-sialyltransferase (CG4871) ST6Gal I	Drosophila melanogaster	2.4.99.1	AF218237 AF397532 AE003465 NM_079129	AAF47256.1 AAG13185.1 AAK92126.1 AAM70791.1 NP_523853.1 NP_726474.1	Q9GU23 Q9W121	
α-2,3-sialyltransferase (ST3Gal-VI)	Gallus gallus	n.d.	AJ585767 AJ627204	CAE51391.1 CAF25503.1		
α-2,3-sialyltransferase ST3Gal I	Gallus gallus		NM_205217	NP_990548.1	Q11200	
α-2,3-sialyltransferase ST3Gal IV (fragment)	Gallus gallus	2.4.99			073724	
α-2,3-sialytransferase (ST3GAL-II)	Gallus gallus	n.d.	AJ585761	CAE51385.2		
α-2,6-sialyltransferase (Siat7b)	Gallus gallus	n.d.	AJ620653	CAF05852.1		
α-2,6-sialyltransferase ST6Gal I	Gallus gallus			NP_990572.1	Q92182	
α-2,6-sialyltransferase	Gallus gallus	2.4.99.3		AAE68028.1	Q92183	

FIGURE 9C

Protein	Organism	EC#	GenBanl	c / GenPept	SwissProt	PDB / 3D
ST6GalNAc I			- X74946 NM 205240	AAE68029.1 CAA52902.1 NP 990571.1		1
α-2,6-sialyltransferase ST6GalNAc II	Gallus gallus	2.4.99	X77775	AAE68030.1 CAA54813.1 NP 990564.1	Q92184	
α-2,6-sialyltransferase ST6GalNAc III (SIAT7C) (fragment)	Gallus gallus	n.d.	AJ634455	CAG25677.1		
α-2,6-sialyltransferase ST6GalNAc V (SIAT7E) (fragment)	Gallus gallus	n.d.	AJ646877	CAG26706.1		-
α-2,8-sialyltransferase (GD3 Synthase) ST8Sia I	Gallus gallus	2.4.99	U73176	AAC28888.1	P79783	
α-2,8-sialyltransferase (SIAT8B)	Gallus gallus	n.d.	AJ699419	CAG27881.1		
α-2,8-sialyltransferase (SIAT8C)	Gallus gallus	n.d.	AJ699420	CAG27882.1		
α-2,8-sialyltransferase (SIAT8F)	Gallus gallus	n.d.	AJ699424	CAG27886.1		
α-2,8-syalyltransferase ST8Siα-V (SIAT8C)	Gallus gallus	n.d.	AJ704564	CAG28697.1		
^{[2} galactosamide α-2,6- sialyltransferase II (ST6Gal II)	Gallus gallus	n.d.	AJ627629	CAF29497.1		
GM3 synthase (SIAT9)	Gallus gallus	2.4.99.9	AY515255	AAS83519.1		
polysialyltransferase ST8Sia IV	Gallus gallus			AAB95120.1	O42399	
α-2,3-sialyltransferase ST3Gal I	Homo sapiens	2.4.99.4	L13972 AF155238 AF186191 BC018357 NM_003033	AAA36612.1 AAC17874.1 AAC37574.1 AAD39238.1 AAG29876.1 AAH18357.1 NP_003024.1 NP_775479.1	Q11201 O60677 Q9UN51	
	Homo sapiens	2.4.99.4	BC036777 X96667	AAB40389.1 AAH36777.1 CAA65447.1 NP 008858.1	Q16842 O00654	
α-2,3-sialyltransferase ST3Gal III (SiaT6)	Homo sapiens	2.4.99.6	BC050380 AF425851 AF425852 AF425853 AF425855 AF425856 AF425856 AF425859 AF425860 AF425861 AF425862 AF425863 AF425864 AF425865 AF425866 AF425867 AF425867 AF425867 AF425867 AF425867 AF425867 AF425867 AF425867 AF425867 AF425867	AAH50380.1 AAO13859.1 AAO13860.1 AAO13862.1 AAO13863.1 AAO13865.1 AAO13866.1 AAO13867.1 AAO13868.1 AAO13870.1 AAO13870.1 AAO13871.1 AAO13872.1 AAO13873.1 AAO13873.1 AAO13873.1 AAO13873.1 AAO13873.1 AAO13873.1 AAO13873.1 AAO13873.1 AAO13873.1	Q11203 Q86UR6 Q86UR7 Q86UR8 Q86UR9 Q86US0 Q86US1 Q86US2 Q8IX43 Q8IX44 Q8IX45 Q8IX45 Q8IX45 Q8IX47 Q8IX48 Q8IX50 Q8IX51 Q8IX51 Q8IX52 Q8IX53 Q8IX54 Q8IX55 Q8IX55	

FIGURE 9D

Protein	Organism	EC#	GenBank / GenPept	SwissProt PDB / 3D
			AY167995 AAO38809.1 AY167996 AAO38810.1 AY167997 AAO38811.1 AY167998 AAO38812.1 NM_006279 NP_006270. NM_174964 NP_777624. NM_174966 NP_777625. NM_174967 NP_777627. NM_174969 NP_777629. NM_174970 NP_777630.	Q8IX57 Q8IX58 1 1 1 1 1 1 1
α-2,3-sialyltransferase ST3Gal IV	Homo sapiens		NM_174972 NP_777632. L23767 AAA16460.1 AF035249 AAC14162.1 BC010645 AAH10645.1 AY040826 AAK93790.1 AF516602 AAM66431.1 AF516604 AAM66433.1 AF525084 AAM81378.1 X74570 CAA52662.1 CR456858 NP_006269.	Q11206 O60497 Q96QQ9 Q8N6A6 Q8N6A7 Q8NFD3 Q8NFG7
α-2,3-sialyltransferase ST3Gal VI	Homo sapiens	2.4.99.4	AF119391 AAD39131.1 BC023312 AAH23312.1 AB022918 BAA77609.1 AX877828 CAE89895.1 AX886023 CAF00161.1 NM_006100 NP_006091.	
α-2,6-sialyltransferase (ST6Gal II ; KIAA1877)	Homo sapiens	n.d.	BC008680 AAH08680.1 AB058780 BAB47506.1 AB059555 BAC24793.1 CAD54408.1 AX795193 CAE48260.1 AX795193 CAE48261.1 NM_032528 NP_115917.	Q8IUG7 Q96HE4 Q96JF0
€ C-2,6-sialyltransferase (ST6GALNAC III)	Homo sapiens	n.d.	BC059363 AAH59363.1 AY358540 AAQ88904.1 AK091215 BAC03611.1 AJ507291 CAD45371.1 NM_152996 NP_694541.	Q8N259 Q8NDV1
α-2,6-sialyltransferase (ST6GalNAc V)	Homo sapiens	n.d.	BC001201 AAH01201.1 AK056241 BAB71127.1 AL035409 CAB72344.1 AJ507292 CAD45372.1 NM_030965 NP_112227.	
α-2,6-sialyltransferase (SThM) ST6GalNAc II	Homo sapiens	2.4.99	U14550 AAA52228.1 BC040455 AAH40455.1 AJ251053 CAB61434.1 NM_006456 NP_006447.	Q12971
α-2,6-sialyltransferase ST6Gal I	Homo sapiens	2.4.99.1		P15907
α-2,6-sialyltransferase ST6GalNAc I	Homo sapiens	2.4.99.3	BC022462 AAH22462.1 AY096001 AAM22800.1 AY358918 AAQ89277.1 AK000113 BAA90953.1 Y11339 CAA72179.2	Q8TBJ6 Q9NSC7 Q9NXQ7

FIGURE 9E

Protein	Organism	EC#	GenBank	/ GenPept	SwissProt PDB / 3D
			NM 018414	NP 060884.1	-
α-2,8- polysialyltransferase ST8Sia IV	Homo sapiens	2.4.99	L41680 BC027866 BC053657 NM_005668	AAC41775.1 AAH27866.1 AAH53657.1 NP_005659.1	Q8N1F4 Q92187 Q92693
α-2,8-sialyltransferase (GD3 synthase) ST8Sia Ι	Homo sapiens	2.4.99.8	L43494 BC046158 - AY569975 D26360 X77922	AAA62366.1 AAC37586.1 AAH46158.1 AAQ53140.1 AAS75783.1 BAA05391.1 CAA54891.1 NP_003025.1	Q86X71 Q92185 Q93064
α-2,8-sialyltransferase ST8Sia II	Homo sapiens	2.4.99	U82762 U33551 BC069584	AAB51242.1 AAC24458.1 AAH69584.1 NP 006002.1	Q92186 Q92470 Q92746
α-2,8-sialyltransferase ST8Sia III	Homo sapiens	2.4.99	AF003092		O43173 Q9NS41
α-2,8-sialyltransferase ST8Sia V	Homo sapiens	2.4.99	U91641 CR457037		O15466
ENSP00000020221 (fragment)		n.d.	AC023295	-	
lactosylceramide α-2,3- sialyltransferase (ST3Gal V)	Homo sapiens	2.4.99.9	AF119415 BC065936 AY152815 AAP65066 AY359105 AB018356 AX876536	AAD14634.1 AAF66146.1 AAH65936.1 AAO16866.1 AAP65066.1 AAQ89463.1 BAA33950.1 CAE89320.1 NP_003887.2	Q9UNP4 O94902
N- acetylgalactosaminide α-2,6-sialyltransferase (ST6GalNAc VI)	Homo sapiens	2.4.99	BC007802 BC016299 AY358672 AB035173 AK023900 AJ507293 AX880950 CR457318	AAH06564.1 AAH07802.1 AAH16299.1 AAQ89035.1 BAA87035.1 BAB14715.1 CAD45373.1 CAE91145.1 CAG33599.1 NP_038471.2	Q969X2 Q9H8A2 Q9ULB8
N- acetylgalactosaminide α-2,6-sialyltransferase IV (ST6GalNAc IV)	Homo sapiens	2.4.99	AF127142 BC036705 - AB035172 AK000600 Y17461 AJ271734 AX061620 AX068265 AX969252 NM_014403	AAF00102.1 AAH36705.1 AAP63349.1 BAA87034.1 BAA91281.1 CAB44354.1 CAC27404.1 CAC27250.1 CAF14360.1 NP_055218.3 NP_778204.1	Q9H4F1 Q9NWU6 Q9UKU1 Q9ULB9 Q9Y3G3 Q9Y3G4
ST8SIA-VI (fragment)	Homo sapiens	n.d.	AJ621583 XM_291725	CAF21722.1 XP_291725.2	
unnamed protein product	Homo sapiens	n.d.	AK021929 AX881696	BAB13940.1 CAE91353.1	Q9HAA9
Gal β-1,3/4-GlcNAc α-	Mesocricetus	2.4.99.6	AJ245699	CAB53394.1	Q9QXF6

FIGURE 9F

Protein		Organism	EC#	GenBanl	k / GenPept	SwissProt	PDB / 3D
2,3-sialyltransferase (ST3Gal III)		auratus					1, 00
Gal β-1,3/4-GlcNAc α- 2,3-sialyltransferase (ST3Gal IV)		Mesocricetus auratus	2.4.99.6	AJ245700	CAB53395.1	Q9QXF5	
GD3 synthase (fragment) ST8Sia I		Mesocricetus auratus	n.d.	AF141657	AAD33879.1	Q9WUL1	
polysialyltransferase (ST8Sia IV)		Mesocricetus auratus	2.4.99	AJ245701	CAB53396.1	Q9QXF4	
α-2,3-sialyltransferase ST3Gal I	St3gal1	Mus musculus	2.4.99.4	AF214028 AK031344 AK078469 X73523 NM 009177	AAF60973.1 BAC27356.1 BAC37290.1 CAA51919.1 NP_033203.1	P54751 Q11202 Q9JL30	
α-2,3-sialyltransferase ST3Gal II	St3gal2	Mus musculus	2.4.99.4	BC015264 BC066064 AK034554 AK034863 AK053827 X76989 NM_009179	AAH15264.1 AAH66064.1 BAC28752.1 BAC28859.1 BAC35543.1 CAA54294.1 NP_033205.1 NP_835149.1	Q11204 Q8BPL0 Q8BSA0 Q8BSE9 Q91WH6	
α-2,3-sialyltransferase ST3Gal III	St3gal3	Mus musculus	2.4.99	BC006710 AK005053 AK013016 X84234		P97325 Q922X5 Q9CZ48 Q9DBB6	
α-2,3-sialyltransferase ST3Gal IV	St3gal4	Mus musculus	2.4.99.4	BC011121 BC050773 D28941 AK008543 AB061305 X95809		P97354 Q61325 Q91Y74 Q921R5 Q9CVE8	
α-2,3-sialyltransferase ST3Gal VI	St3gal6	Mus musculus	2.4.99.4	AF119390	AAD39130.1 AAH52338.1 BAB79494.1 BAC28360.1 BAC30851.1	Q80UR7 Q8BLV1 Q8VIB3 Q9WVG2	
α-2,6-sialyltransferase ST6GalNAc II	St6galnac2	Mus musculus	2.4.99	NM_009180 BC010208 AB027198 AK004613 X93999 X94000		P70277 Q9DC24 Q9JJM5	
α-2,6-sialyltransferase ST6Gal I	St6gal1	Mus musculus	2.4.99.1	- BC027833 D16106 AK034768 AK084124	AAE68031.1 AAH27833.1 BAA03680.1 BAC28828.1 BAC39120.1 NP_666045.1	Q64685 Q8BM62 Q8K1L1	
α-2,6-sialyltransferase ST6Gal II	St6gal2	Mus musculus	n.d.	AK082566 AB095093 AK129462	BAC38534.1 BAC87752.1 BAC98272.1 NP_766417.1	Q8BUU4	
α-2,6-sialyltransferase ST6GalNAc I		Mus musculus	2.4.99.3	Y11274		Q9QZ39	
∝-2,6-sialyltransferase ST6GalNAc III	St6galnac3	Mus musculus	n.d.	BC058387 AK034804 Y11342 Y11343	AAH58387.1 BAC28836.1 CAA72181.2 CAB95031.1	Q9WUV2 Q9JHP5	

FIGURE 9G

Protein		Organism	EC#	GenBank	/ GenPept	SwissProt	PDB / 3D
				NM 011372	NP 035502		1, 35
α-2,6-sialyltransferase	St6galnac4	Mus musculus	24997		AAH56451.1	Q8C3J2	
ST6GalNAc IV						Q9JHP2	
				AJ007310	CAA07446.1	Q9R2B6	
				Y15779	CAB43507.1	088725	
				Y15780		Q9JHP0	
				Y19055	CAB93946.1	Q9QUP9	
				Y19057	CAB93948.1	Q9R2B5	
					NP_035503.1	Q31 (233	
α-2,8-sialyltransferase	St8sia1	Mus musculus	2.4.99.8		AAA91869.1	Q64468	
(GD3 synthase) ST8Sia	0100,07		2.4.00.0			Q64687	i
i					BAC32625.1	Q8BL76	
ľ				AK052444		Q8BWI0	
1				X84235		Q8K1C1	
	1		1	AJ401102	CAC20706.1	Q9EPK0	i
		1				QSLFKU	- 1
α-2,8-sialyltransferase	St8sia6	Mus musculus	- d		NP_035504.1 BAC01265.1	000142	
	Stosiao	ivius musculus	n.d.	AB059554 AK085105		Q8BI43	
(ST8Sia VI)			İ	1	BAC39367.1	Q8K4T1	- 1
	040-1-0	1	0.4.00		NP_665837.1	005000	
α-2,8-sialyltransferase	St8sia2	Mus musculus	2.4.99	X83562	CAA58548.1	O35696	
ST8Sia II		•		X99646	CAA67965.1		ŀ
				X99647	CAA67965.1		
				X99648	CAA67965.1		
				X99649	CAA67965.1		ŀ
				X99650	CAA67965.1		
ł				X99651	CAA67965.1		- 1
					NP_033207.1		
α-2,8-sialyltransferase	St8sia4	Mus musculus	2.4.99.8	BC060112	AAH60112.1	Q64692	1
ST8Sia IV				AK003690	BAB22941.1	Q8BY70	- 1
				AK041723	BAC31044.1		- 1
				AJ223956	CAA11685.1		
				X86000	CAA59992.1		.
				Y09484	CAA70692.1		
				NM_009183	NP_033209.1		
α-2,8-sialyltransferase	St8sia5	Mus musculus	2.4.99	BC034855	AAH34855.1	P70126	
ST8Sia V			1	AK078670	BAC37354.1	P70127	- 1
				X98014	CAA66642.1	P70128	}
		1		X98014	CAA66643.1	Q8BJW0	
İ			1	X98014	CAA66644.1	Q8JZQ3	- 1
				NM_013666	NP_038694.1		-
				NM_153124	NP_694764.1		
				NM 177416	NP 803135.1		
α-2,8-sialytransferase	St8sia3	Mus musculus	2.4.99	BC075645	AAH75645.1	Q64689	
ST8Sia III						Q9CUJ6	ľ
				X80502	CAA56665.1		- 1
					NP_033208.1		
GD1 synthase	St6galnac5	Mus musculus	n.d.			Q8CAM7	
(ST6GalNAc V)			1	AB030836	BAA85747.1	Q8CBX1	l
,				AB028840	BAA89292.1	Q9QYJ1	- 1
			1		BAC28693.1	Q9R0K6	1
				AK038434	BAC29997.1		
		1		AK042683	BAC31331.1		
					NP_036158.2		l
GM3 synthase (0x-2,3-	St3gal5	Mus musculus	2.4.99.9			O88829	
sialyltransferase)						Q9CZ65	İ
ST3Gal V				AB018048	BAA33491.1	Q9QWF9	
				AB013302	BAA76467.1	2000	
				AK012961	BAB28571.1	1	
				Y15003	CAA75235.1		į
					NP_035505.1		- 1
N-	Stagingos	Mus musculus	2.4.99			Q8CDC3	
acetylgalactosaminide	Sioganiaco	ivius musculus	2.4.33	AB035174	BAA87036.1	Q8JZW3	- 1
α-2,6-sialyltransferase	1			AB035174 AB035123	BAA95940.1		1
(ST6GalNAc VI)						Q9JM95	
(CTOGaliAMC A1)	L	L	<u> </u>	AK030648	BAC27064.1	Q9R0G9	

FIGURE 9H

Protein	Organism	EC#	GenBank	/ GenPept	SwissPro	t PDB / 3D
				NP_058669.1		
M138L	Myxoma virus	n.d.	AF170726	AAD00069.1 AAE61323.1 AAE61326.1 AAF15026.1 NP_051852.1		
α-2,3-sialyltransferase (St3Gal-I)	Oncorhynchus mykiss	n.d.	AJ585760	CAE51384.1		
α-2,6-sialyltransferase (Siat1)	Oncorhynchus mykiss	n.d.	AJ620649	CAF05848.1		
α-2,8- polysialyltransferase IV (ST8Sia IV)	Oncorhynchus mykiss	n.d.	AB094402	BAC77411.1		
GalNAc α-2,6- sialyltransferase (RtST6GalNAc)	Oncorhynchus mykiss	n.d.	AB097943	BAC77520.1	Q7T2X4	
α-2,3-sialyltransferase ST3Gal IV	Oryctolagus cuniculus	2.4.99	AF121967	AAF28871.1	Q9N257	
OJ1217_F02.7	Oryza sativa (japonica cultivar- group)	n.d.	AP004084	BAD07616.1	:	
OSJNBa0043L24.2 or OSJNBb0002J11.9	Oryza sativa (japonica cultivar- group)	n.d.	AL731626 AL662969	CAD41185.1 CAE04714.1		-
P0683f02.18 or P0489B03.1	Oryza sativa (japonica cultivar- group)	n.d.	AP003289 AP003794	BAB63715.1 BAB90552.1		
α-2,6-sialyltransferase ST6GalNAc V (Siat7E) (fragment)	Oryzias latipes	n.d.	AJ646876	CAG26705.1		
α-2,3-sialyltransferase ST3Gal I (Siat4)	Pan troglodytes	n.d.	AJ744803	CAG32839.1		
α-2,3-sialyltransferase ST3Gal II (Siat5)	Pan troglodytes	n.d.	AJ744804	CAG32840.1		
α-2,3-sialyltransferase ST3Gal III (Siat6)	Pan troglodytes	n.d.	AJ626819	CAF25177.1		
α-2,3-sialyltransferase ST3Gal IV (Siat4c)	Pan troglodytes	n.d.	AJ626824	CAF25182.1		
α-2,3-sialyltransferase ST3Gal VI (Siat10)	Pan troglodytes	n.d.	AJ744808	CAG32844.1	-	
α-2,6-sialyltransferase (Sia7A)	Pan troglodytes	n.d.	AJ748740	CAG38615.1		
α-2,6-sialyltransferase (Sia7B)	Pan troglodytes	n.d.	AJ748741	CAG38616.1		
α-2,6-sialyltransferase ST6GalNAc III (Siat7C)	Pan troglodytes	n.d.	AJ634454	CAG25676.1		
c-2,6-sialyltransferase ST6GalNAc IV (Siat7D) (fragment)	Pan troglodytes	n.d.	AJ646870	CAG26699.1		
α-2,6-sialyltransferase ST6GalNAc V (Siat7E)	Pan troglodytes	n.d.	AJ646875	CAG26704.1		
α-2,6-sialyltransferase ST6GalNAc VI (Siat7F) (fragment)	Pan troglodytes	n.d.	AJ646882	CAG26711.1		
α-2,8-sialyltransferase 8A (Siat8A)	Pan troglodytes	2.4.99.8	AJ697658	CAG26896.1		
α-2,8-sialyltransferase 8B (Siat8B)	Pan troglodytes	n.d.	AJ697659	CAG26897.1		
α-2,8-sialyltransferase 8C (Siat8C)	Pan troglodytes	n.d.	AJ697660	CAG26898.1		
α-2,8-sialyltransferase 8D (Siat8D)	Pan troglodytes	n.d.	AJ697661	CAG26899.1		
α-2,8-sialyltransferase	Pan troglodytes	n.d.	AJ697662	CAG26900.1		

Protein	Organism	EC#	GenBanl	k / GenPept	SwissProt PDB
8E (Siat8E)		-			1, 05
α-2,8-sialyltransferase 8F (Siat8F)	Pan troglodytes	n.d.	AJ697663	CAG26901.1	
galactosamide α-2,6- sialyltransferase I (ST6Gal I; Siat1)	Pan troglodytes	2.4.99.1	AJ627624	CAF29492.1	
Galactosamide α-2,6- sialyltransferase II (ST6Gal II)	Pan troglodytes	n.d.	AJ627625	CAF29493.1	
GM3 synthase ST3Gal V (Siat9)	Pan troglodytes	n.d.	AJ744807	CAG32843.1	
S138L	Rabbit fibroma virus Kasza	n.d.	NC_001266	NP_052025	
	Rattus norvegicus	2.4.99.6	M97754 NM_031697	AAA42146.1 NP_113885.1	Q02734
α-2,3-sialyltransferase ST3Gal IV (Siat4c)	Rattus norvegicus	n.d.	AJ626825	CAF25183.1	
α-2,3-sialyltransferase ST3Gal VI	Rattus norvegicus	n.d.	AJ626743	CAF25053.1	
α-2,6-sialyltransferase ST3Gal II	Rattus norvegicus	2.4.99	X76988 NM_031695	CAA54293.1 NP_113883.1	Q11205
α-2,6-sialyltransferase ST6Gal I	Rattus norvegicus	2.4.99.1	M18769 M83143	AAA41196.1 AAB07233.1	P13721
α-2,6-sialyltransferase ST6GalNAc I (Siat7A)	Rattus norvegicus	n.d.	AJ634458	CAG25684.1	
α-2,6-sialyltransferase ST6GalNAc II (Siat7B)	Rattus norvegicus	n.d.	AJ634457	CAG25679.1	
∝-2,6-sialyltransferase ST6GalNAc III	Rattus norvegicus	2.4.99		AAC42086.1 AAH72501.1 NP_061996.1	Q64686
α-2,6-sialyltransferase ST6GalNAc IV (Siat7D) (fragment)	Rattus norvegicus	n.d.	AJ646871	CAG26700.1	
α-2,6-sialyltransferase ST6GalNAc V (Siat7E)	Rattus norvegicus	n.d.	AJ646872	CAG26701.1	
α-2,6-sialyltransferase ST6GalNAc VI (Siat7F) (fragment)	Rattus norvegicus	n.d.	AJ646881	CAG26710.1	
α-2,8-sialyltransferase (GD3 synthase) ST8Sia	Rattus norvegicus	2.4.99		AAC27541.1 BAA08213.1	P70554 P97713
α-2,8-sialyltransferase (SIAT8E)	Rattus norvegicus	n.d.	AJ699422	CAG27884.1	
α-2,8-sialyltransferase (SIAT8F)	Rattus norvegicus	n.d.	AJ699423	CAG27885.1	
α-2,8-sialyltransferase ST8Sia II	Rattus norvegicus	2.4.99		AAA42147.1 NP_476497.1	Q07977 Q64688
α-2,8-sialyltransferase ST8Sia III	Rattus norvegicus			AAB50061.1 NP_037161.1	P97877
α-2,8-sialyltransferase ST8Sia IV	Rattus norvegicus	2.4.99	U90215	AAB49989.1	O08563
galactosamide α-2,6- sialyltransferase II (ST6Gal II)	Rattus norvegicus	n.d.	AJ627626	CAF29494.1	
GM3 synthase ST3Gal V	Rattus norvegicus			BAA33492.1 NP_112627.1	O88830

FIGURE 9J

Protein	Organism	EC#	GenBan	k / GenPept	SwissProt PDB
sialyltransferase ST3Gal-I (Siat4A)	Rattus norvegicus	n.d.	AJ748840	CAG44449.1	
α-2,3-sialyltransferase (St3Gal-II)	Silurana tropicalis	n.d.	AJ585763	CAE51387.1	
α-2,6-sialyltransferase (Siat7b)	Silurana tropicalis	n.d.	AJ620650	CAF05849.1	
α-2,6-sialyltransferase (St6galnac)	Strongylocentrotus purpuratus	n.d.	AJ699425	CAG27887.1	
α-2,3-sialyltransferase (ST3GAL-III)	Sus scrofa	n.d.	AJ585765	CAE51389.1	
α-2,3-sialyltransferase (ST3GAL-IV)	Sus scrofa	n.d.	AJ584674	CAE48299.1	
α-2,3-sialyltransferase ST3Gal I	Sus scrofa		M97753	AAA31125.1	Q02745
α-2,6-sialyltransferase (fragment) ST6Gal I	Sus scrofa		AF136746	AAD33059.1	Q9XSG8
Lagalactosamide α-2,6- sialyltransferase (ST6GalNAc-V)	Sus scrofa	n.d.	AJ620948	CAF06585.2	
sialyltransferase (fragment) ST6Gal I	sus scrofa	n.d.	AF041031	AAC15633.1	O62717
ST6GALNAC-V	Sus scrofa	n.d.	AJ620948	CAF06585.1	
α-2,3-sialyltransferase (Siat5-r)	Takifugu rubripes	n.d.	AJ744805	CAG32841.1	
α-2,3-sialyltransferase ST3Gal I (Siat4)	Takifugu rubripes	n.d.	AJ626816	CAF25174.1	
α-2,3-sialyltransferase ST3Gal II (Siat5) (fragment)	Takifugu rubripes	n.d.	AJ626817	CAF25175.1	
α-2,3-sialyltransferase ST3Gal III (Siat6)	Takifugu rubripes	n.d.	AJ626818	CAF25176.1	
α-2,6-sialyltransferase ST6Gal I (Siat1)	Takifugu rubripes	n.d.	AJ744800	CAG32836.1	
α-2,6-sialyltransferase ST6GalNAc II (Siat7B)	Takifugu rubripes	n.d.	AJ634460	CAG25681.1	
α-2,6-sialyltransferase ST6GalNAc II B (Siat7B- related)	Takifugu rubripes	n.d.	AJ634461	CAG25682.1	
α-2,6-sialyltransferase ST6GalNAc III (Siat7C) (fragment)	Takifugu rubripes	n.d.	AJ634456	CAG25678.1	
α-2,6-sialyltransferase ST6GalNAc IV (siat7D) (fragment)	Takifugu rubripes	2.4.99.3	Y17466 AJ646869	CAB44338.1 CAG26698.1	Q9W6U6
α-2,6-sialyltransferase ST6GalNAc V (Siat7E) (fragment)	Takifugu rubripes	n.d.	AJ646873	CAG26702.1	
x-2,6-sialyltransferase ST6GalNAc VI (Siat7F) (fragment)	Takifugu rubripes	n.d.	AJ646880	CAG26709.1	
α-2,8-sialyltransferase ST8Sia I (Siat 8A) (fragment)	Takifugu rubripes	n.d.	AJ715534	CAG29373.1	
α-2,8-sialyltransferase ST8Sia II (Siat 8B) (fragment)	Takifugu rubripes	n.d.	AJ715538	CAG29377.1	
α-2,8-sialyltransferase ST8Sia III (Siat 8C) (fragment)	Takifugu rubripes	n.d.	AJ715541	CAG29380.1	
α-2,8-sialyltransferase ST8Sia IIIr (Siat 8Cr)	Takifugu rubripes	n.d.	AJ715542	CAG29381.1	
α-2,8-sialyltransferase ST8Sia V (Siat 8E)	Takifugu rubripes	n.d.	AJ715547	CAG29386.1	

FIGURE 9K

Protein	Organism	EC#	GenBan	k / GenPept	SwissProt PDB / 3D
(fragment)		Ì			1 - 1 - 1
α-2,8-sialyltransferase	Takifugu rubripes	n.d.	AJ715549	CAG29388.1	
ST8Sia VI (Siat 8F)	,				
(fragment)					
α-2,8-sialyltransferase	Takifugu rubripes	n.d.	AJ715550	CAG29389.1	
ST8Sia VIr (Siat 8Fr)	Takinaga rasinpes		7.07 10000	07.02000.1	
α-2,3-sialyltransferase	Tetraodon	n.d.	AJ744806	CAG32842.1	
(Siat5-r)	nigroviridis	III.u.	A3744000	CAG32842.1	
α-2,3-sialyltransferase	Tetraodon	n.d.	AJ744802	CAG32838.1	
ST3Gal I (Siat4)		11.0.	A3744602	CAG32838.1	
	nigroviridis	ļ., ,	4 1000000	045054004	
α-2,3-sialyltransferase	Tetraodon	n.d.	AJ626822	CAF25180.1	
ST3Gal III (Siat6)	nigroviridis	 			
α-2,6-sialyltransferase	Tetraodon	n.d.	AJ634462	CAG25683.1	
ST6GalNAc II (Siat7B)	nigroviridis	<u> </u>		<u> </u>	
α-2,6-sialyltransferase	Tetraodon	n.d.	AJ646879	CAG26708.1	
ST6GalNAc V (Siat7E)	nigroviridis				
(fragment)					
α-2,8-sialyltransferase	Tetraodon	n.d.	AJ715536	CAG29375.1	
ST8Sia I (Siat 8A)	nigroviridis				
(fragment)					
α-2,8-sialyltransferase	Tetraodon	n.d.	AJ715537	CAG29376.1	
ST8Sia II (Siat 8B)	nigroviridis				
(fragment)	1				
α-2,8-sialyltransferase	Tetraodon	n.d.	AJ715539	CAG29378.1	
ST8Sia III (Siat 8C)	nigroviridis				
(fragment)					
α-2,8-sialyltransferase	Tetraodon	n.d.	AJ715540	CAG29379.1	
ST8Sia IIIr (Siat 8Cr)	nigroviridis				
(fragment)	"				
α-2,8-sialyltransferase	Tetraodon	n.d.	AJ715548	CAG29387.1	,,,,
ST8Sia V (Siat 8E)	nigroviridis		1.57.155.15		
(fragment)	J. 3				
α-2,3-sialyltransferase	Xenopus laevis	n.d.	AJ585762	CAE51386.1	
(St3Gal-II)	10000		1.0000.02		
α-2,3-sialyltransferase	Xenopus laevis	n.d.	AJ585766	CAE51390.1	
(St3Gal-VI)					
α-2,3-sialyltransferase	Xenopus laevis	n.d.	AJ585764	CAE51388.1	
St3Gal-III (Siat6)	1		AJ626823	CAF25181.1	
α-2,8-	Xenopus laevis	2.4.99	AB007468	BAA32617.1	O93234
polysialyltransferase			1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -		
α-2,8-sialyltransferase	Xenopus laevis	n.d.	AY272056	AAQ16162.1	
ST8Six-I (Siat8A;GD3			AY272057	AAQ16163.1	
synthase)			AJ704562	CAG28695.1	
Unknown (protein for	Xenopus laevis	n.d.	BC068760	AAH68760.1	
MGC:81265)					
α-2,3-sialyltransferase	Xenopus tropicalis	n.d.	AJ626744	CAF25054.1	
(3Gal-VI)					
α-2,3-sialyltransferase	Xenopus tropicalis	n.d.	AJ622908	CAF22058.1	
(Siat4c)			7 0		
α-2,6-sialyltransferase	Xenopus tropicalis	n.d.	AJ646878	CAG26707.1	
ST6GalNAc V (Siat7E)					
(fragment)					
α-2,8-sialyltransferase	Xenopus tropicalis	n.d.	AJ715544	CAG29383.1	
ST8Sia III (Siat 8C)	promopus iropisans	11.0.	7.07 10044	0A02000.1	
(fragment)			1		
galactosamide α-2,6-	Xenopus tropicalis	n.d.	AJ627628	CAF29496.1	
	renopus tropicalis	, i.u.	10021020	JAI 23430.1	
sialyltransferase II					
(ST6Gal II)	Vananua tranicali-	- d	AVCEOZZE	A A T C 7 0 4 0	
sialytransferase St8Sial	Xenopus tropicalis	n.d.	AY652775	AAT67042	
poly-α-2,8-sialosyl	Escherichia coli K1		M76370	AAA24213.1	Q57269
sialyltransferase (NeuS)	F		X60598	CAA43053.1	0.4746
polysialyltransferase	Escherichia coli K92	2.4	M88479	AAA24215.1	Q47404

FIGURE 9L

Protein	Organism	EC#	GenBanl	c / GenPept	SwissProt PDI
ແ-2,8 polysialyltransferase SiaD	Neisseria meningitidis B1940	2.4	M95053 X78068	AAA20478.1 CAA54985.1	Q51281 Q51145
SynE	Neisseria meningitidis FAM18	n.d.	U75650	AAB53842.1	O06435
polysialyltransferase (SiaD)(fragment)	Neisseria meningitidis M1019	n.d.	AY234192	AAO85290.1	
SiaD (fragment)	Neisseria meningitidis M209	n.d.	AY281046	AAP34769.1	
SiaD (fragment)	Neisseria meningitidis M3045	n.d.	AY281044	AAP34767.1	
polysialyltransferase (SiaD)(fragment)	Neisseria meningitidis M3315	n.d.	AY234191	AAO85289.1	
SiaD (fragment)	Neisseria meningitidis M3515	n.d.	AY281047	AAP34770.1	
polysialyltransferase (SiaD)(fragment)	Neisseria meningitidis M4211	n.d.	AY234190	AAO85288.1	
SiaD (fragment)	Neisseria meningitidis M4642	n.d.	AY281048	AAP34771.1	
polysialyltransferase (SiaD)(fragment)	Neisseria meningitidis M5177	n.d.	AY234193	AAO85291.1	
SiaD	Neisseria meningitidis M5178	n.d.	AY281043	AAP34766.1	
SiaD (fragment)	Neisseria meningitidis M980	n.d.	AY281045	AAP34768.1	
NMB0067	Neisseria meningitidis MC58	n.d.	NC_003112	NP_273131	
Lst	Aeromonas punctata Sch3	n.d.	AF126256	AAS66624.1	
ORF2	Haemophilus influenzae A2	n.d.	M94855	AAA24979.1	
HI1699	Haemophilus influenzae Rd	n.d.	U32842 NC_000907	AAC23345.1 NP_439841.1	Q48211
α-2,3-sialyltransferase	Neisseria gonorrhoeae F62	2.4.99.4	U60664	AAC44539.1 AAE67205.1	P72074
α-2,3-sialyltransferase	Neisseria meningitidis 126E, NRCC 4010	2.4.99.4	U60662	AAC44544.2	
α-2,3-sialyltransferase	Neisseria meningitidis 406Y, NRCC 4030	2.4.99.4	U60661	AAC44543.1	
α-2,3-sialyltransferase (NMB0922)	Neisseria meningitidis MC58	2.4.99.4	U60660 AE002443 NC_003112	AAC44541.1 AAF41330.1 NP_273962.1	
NMA1118	Neisseria meningitidis Z2491	n.d.	AL162755 NC 003116	CAB84380.1 NP_283887.1	Q9JUV5
PM0508	Pasteurella multocida PM70	n.d.	AE006086 NC_002663	AAK02592.1 NP 245445.1	Q9CNC4
WaaH	Salmonella enterica SARB25	n.d.	AF519787	AAM82550.1	
WaaH	Salmonella enterica SARB3	n.d.	AF519788	AAM82551.1	Q8KS92
WaaH	Salmonella enterica SARB39	n.d.	AF519789	AAM82552.1	
WaaH	Salmonella enterica SARB53	n.d.	AF519790	AAM82553.1	
WaaH	Salmonella enterica SARB57	n.d.	AF519791	AAM82554.1	
WaaH	Salmonella enterica SARB71	n.d.	AF519793	AAM82556.1	Q8KS89
WaaH	Salmonella enterica	n.d.	AF519792	AAM82555.1	Q8KS90

FIGURE 9M

Protein	Organism		GenBank / GenPept		SwissProt PDB / 3D
	SARB8		T ⁱ		
WaaH	Salmonella enterica SARC10V	n.d.	AF519779	AAM88840.1	Q8KS99
WaaH (fragment)	Salmonella enterica SARC12	n.d.	AF519781	AAM88842.1	
WaaH (fragment)	Salmonella enterica SARC13I	n.d.	AF519782	AAM88843.1	Q8KS98
WaaH (fragment)	Salmonella enterica SARC14I	n.d.	AF519783	AAM88844.1	Q8KS97
WaaH	Salmonella enterica SARC15II	n.d.	AF519784	AAM88845.1	Q8KS96
WaaH	Salmonella enterica SARC16II	n.d.	AF519785	AAM88846.1	Q8KS95
WaaH (fragment)	Salmonella enterica SARC3I	n.d.	AF519772	AAM88834.1	Q8KSA4
WaaH (fragment)	Salmonella enterica SARC4I	n.d.	AF519773	AAM88835.1	Q8KSA3
WaaH		n.d.	AF519774	AAM88836.1	
WaaH	Salmonella enterica SARC6IIa	n.d.	AF519775	AAM88837.1	Q8KSA2
WaaH	Salmonella enterica SARC8	n.d.	AF519777	AAM88838.1	Q8KSA1
WaaH	Salmonella enterica SARC9V	n.d.	AF519778	AAM88839.1	Q8KSA0
UDP-glucose : α-1,2- glucosyltransferase (WaaH)	Salmonella enterica subsp. arizonae SARC 5	2.4.1	AF511116	AAM48166.1	
bifunctional α-2,3/-2,8- sialyltransferase (Cst-II)	Campylobacter jejuni ATCC 43449	n.d.	AF401529	AAL06004.1	Q93CZ5
Cst	Campylobacter jejuni 81-176	n.d.	AF305571	AAL09368.1	
α-2,3-sialyltransferase (Cst-III)	Campylobacter jejuni ATCC 43429	2.4.99	AY044156	AAK73183.1	
α-2,3-sialyltransferase (Cst-III)	Campylobacter jejuni ATCC 43430	2.4.99	AF400047	AAK85419.1	
α-2,3-sialyltransferase (Cst-II)	Campylobacter jejuni ATCC 43432	2.4.99	AF215659	AAG43979.1	Q9F0M9
α-2,3/8- sialyltransferase (CstII)	Campylobacter jejuni ATCC 43438	n.d.	AF400048	AAK91725.1	Q93MQ0
α-2,3-sialyltransferase cst-II	Campylobacter jejuni ATCC 43446	2.4.99	AF167344	AAF34137.1	
	Campylobacter jejuni ATCC 43456	2.4.99	AF401528	AAL05990.1	Q93D05
α-2,3-/α-2,8- sialyltransferase (CstII)	Campylobacter jejuni ATCC 43460	2.4.99	AY044868	AAK96001.1	Q938X6
α-2,3/8- sialyltransferase (Cst-II)	Campylobacter jejuni ATCC 700297	n.d.	AF216647	AAL36462.1	
ORF	Campylobacter jejuni GB11	n.d.	AY422197	AAR82875.1	
α-2,3-sialyltransferase cstIII	Campylobacter jejuni MSC57360	2.4.99	AF195055	AAG29922.1	
α-2,3-sialyltransferase cstIII Cj1140	Campylobacter jejuni NCTC 11168	2.4.99	AL139077 NC_002163	CAB73395.1 NP_282288.1	Q9PNF4
α-2,3/α-2,8- sialyltransferase II (cstII)	Campylobacter jejuni O:10	n.d.	- AX934427	AAO96669.1 CAF04167.1	
α-2,3/α-2,8- sialyltransferase II (CstII)	Campylobacter jejuni O:19	n.d.	AX934431	CAF04169.1	
α-2,3/α-2,8- sialyltransferase II (CstII)	Campylobacter jejuni O:36	n.d.	AX934436	CAF04171.1	
α-2,3/α-2,8-	Campylobacter	n.d.	AX934434	CAF04170.1	

FIGURE 9N

Protein	Organism	EC#	GenBank / GenPept		SwissPro	t PDB / 3D
sialyltransferase II (CstII)	jejuni 0:4					
α-2,3/α-2,8- sialyltransferase II (CstII)	Campylobacter jejuni O:41	n.d.	- - AX934429	AAO96670.1 AAT17967.1 CAF04168.1		
α-2,3-sialyltransferase cst-I	Campylobacter jejuni OH4384	2.4.99	AF130466 -	AAS36261.1	Q9RGF1	
bifunctional α-2,3/-2,8- sialyltransferase (Cst-II)	Campylobacter jejuni OH4384	2.4.99	AF130984 AX934425		1RO7 1RO8	CA
HI0352 (fragment)	Haemophilus influenzae Rd	n.d.	U32720 X57315 NC_000907	CAA40567.1	P24324	
PM1174	Pasteurella multocida PM70	n.d.	AE006157 NC_002663	AAK03258.1 NP_246111.1	Q9CLP3	
Sequence 10 from patent US 6503744	Unknown.	n.d.	-	AAO96672.1		
Sequence 10 from patent US 6699705	Unknown.	n.d.	-	AAT17969.1		
Sequence 12 from patent US 6699705	Unknown.	n.d.	-	AAT17970.1		
Sequence 2 from patent US 6709834	Unknown.	n.d.	-	AAT23232.1		
Sequence 3 from patent US 6503744	Unknown.	n.d.	-	AAO96668.1	- "	
Sequence 3 from patent US 6699705	Unknown.	n.d.	-	AAT17965.1		
Sequence 34 from patent US 6503744	Unknown.	n.d.	-	AAO96684.1		
Sequence 35 from patent US 6503744 (fragment)	Ünknown.	n.d.	-	AAO96685.1 AAS36262.1		·
Sequence 48 from patent US 6699705	Unknown.	n.d.	-	AAT17988.1		
Sequence 5 from patent US 6699705	Unknown.	n.d.	-	AAT17966.1		
Sequence 9 from patent US 6503744	Unknown.	n.d.	-	AAO96671.1		

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